

Nov 1987.

#①

Field notes - Reintro +
Recording LC -

* Return of Jersey \rightarrow to group
after wounds / injuries.

* Bees in nbs.

* A 12hr observ. day with
Segunda Agua + Andy B.

* Following Riverbanks with family
break-up

* Day in rain with Tres
Maches + Andy

Solutions to admin.
crisis - ① AB back in
April - returns thru
July ② Telephone Milton
and Celio
for names + addresses of
best students. Jim +
Andy interview in Feb/Mar.

(a) need non-S.J. person to
replace Cible, perhaps
2 (eg. Ines + Zigue)

(b) need student continue
with GLT studies,
another problem -
ask Andy

(c) need^{to} replace Beth

(d) need admin. to
replace Jamery -
perhaps one from
reintrod.

BRAZIL

2 Nov 1987 -

11 Nov 87

development play

behav. ecol.
tree use / phenology
VCS.

Can Coimbra give us
wild or to put w/
♀ + offspring.

Provide space.

Help distribute GLTs
to Brazilian Zoos.

2 NOV 87:

Arrival : discussion :

Andy's group 3 Machos
has offspring

129/130 days post
mate-guarding
episode

Andy

3 Nov Tues

Q&K + Cibeles drop :

Luis w/ buxibanks

Paulo " Jersey.

We go to Seattle &
feed + do focals.

Seattle all LR

Seattle -

go for eggs immediately

#3/5 snuff / lick
goiaba

#1 2 snuff.

07 #2 dark tail

#5 juvenile no
mark

#5 no mark.

#3 LR + no mark

#1 J4 + LR

52 with radio

#3? AW

After feeding @ 0930
8 group takes eggs;
triffs gaiaba (special
experiment) +

retreats to NB top for
grooming + resting.

They do not explore
feeder. ~~Feeder @~~ Feeder @
10m away from nb.

No problem w/ bees this year.
Could it be the fiberglass
nbs?

The color + fur texture
already looks better than zoo.

The animals produce
one set of LCs as we

come in; including
chattering.

Grooming group break-up
@ 10⁰⁰.

#3 explores banana, but
doesn't eat. #5
explores palm frond.

#2 + 1 less exploratory
than #3 + 5.

#5 locomotes well;
also #3.

Cibele says that they
after LC,

1100 hrs
 Lincoln:
 T 1-4 #1
 T 2-3 #2
 T 4 #4
 T 0 #5 (#1)
 T 1-4 gets egg (#1)
 FS w/ T 4. (#4)
 "No mark" e ~~to~~ eggs, #5

♀ #2 takes banana
 #5 att. F steal.
 #2 resists several
 times. #5 → Papaya
 #1 tsicks numerous
 times.

1136 #5 on feeder
 #4 FS 1/2 banana #4
 #5 mms on feeder
 #5 + steals banana
 from #1
 — Lincoln group

has very restricted
pathways. Only moving
on branch > 5 cm.

2 eats feces
from L1.

3/4 groups eat
feces — all except
Jersey.

AW ♀ #1

12:28 Cilele moves Lincoln
feeder. #5 goes
immediately. Concern
because animals not
moving out, & are losing
weight.

Feeder location
 < 10 m from nb; same
direction as last night's
feeder. Almost directly
above platform.
#5 tastes goiaba.

12:38 #1 ♀ a brownie
C. says they are losing
weight. Not ranging
much.

1300 As we leave
L#1, L#5 go on
feeder.
L#4 next.

LC = chips +
Whine

4 Nov 87

arr. Riverbanks
area @ 0809 hrs.

I hear @ 4 LC.
Michael^{B.} goes to find
group.

0818 3 more LC from up
hillside. By ~~MB~~

0826 Michael puts out food

0827 2 more LC

0928 Tape IA → 543
mainly alarm
chirps; I rasps;
food chirps.

0945

3 grooming clumps
animals quiet
Tape @ ~~#569~~ #569.

1033 End tape @ #730

Side B begin @

1033.

Good chirps / rasps.

1045-1100 Lunch.

Terminate #095 11-25 AM

Butter's dead

Animals Quiet.

1130 hrs

Collect scan data
until 1300 hrs,
Leave Riverbank 1300,

Impressions: good habitat
for learning to locomote
Large group size with
infant might facilitate
movement since group members
must be at a distance
some of the time.

But they are also
better at finding
food.

Heavy feces eaters.

~ 3:20 Return to house

Jersey ♂ in infirmary
Dionisio brought in
I with injury from ~~private~~
private house
Abk records Seattle ♂
Yaya - behind house -

~ 5:30 - 1845:

Counter # 100 - 230.

The light showing the
recovering intensity
is not working although
all else is working;

Discuss visit w/ Coimbra
Dionisio arrive - Try
to coordinate Fri.
Organize w/ Belz to work on
her application
after a lunch w/ Coimbra.

Process Jersey ♂ before
dinner. Two wounds;
one looks like fly strike but
no grubs obvious.

Rodex removed.

Photos taken. ♂ given
Furacyle + DDT around
wounds + antibiotic.

5 NOV 87

0735-0750

Record battle $\rightarrow +$

Xuxu behind house

Tape 1B - 230 - 370

To Jersey look at

♀ 4 T 3/4

has wound left side

0857 arr Jersey.

this changes corridor

0904 all animals look
good.

Record Jersey Tape 1B
begs 375-

0915 Release of ♂ #2
Locomotes well -

Begin L.C. softly
several times.

Lots of genital mk.

0920 Into nb, but
out again.

Lots of scratching at
back of neck.

The gr. doesn't travel
more than 15 m from box.

Nice flat habitat
with good understory

0925 #4 finds ~~burrows~~
@ 10 m from box.

Feeding chrys recorded.

0935 - ^{#2} ♂ gscr a lot.
♀ #1 app, snuff,
~~has~~ has back to ♂
Then AW

♂ [#]2 gscr mucho
#2 stays near nb
#1 app #2 and +
#2 don't follow. #3 →
app #1. ♀1 agl → 3
♀1 app → 2 snuff,
→ 3 " " 2 "

→ 2 clearly ~~are~~ comfortable
#2 gscr.

0950 - all animals enter box

0957 All animals in box
Irritated by #5 who
moved in + out of
box rasping + charging

Eventually whole group entered.

10¹¹ Group still in box

Counter # 466

10³⁰ Still in box + quiet

① need admin.

② " 2- Cibele replacement

③ " same male person

to work with Jody-S.

Cibele replacement not from Silva Jardim.

10⁴⁴ Still in box but more active.

10⁴⁷ # 3 + 5 emerge from box. # 5 goes back in

11⁰⁰ hrs #3 back into box with group.

11⁰⁵ #3 + box.
#1 + "

11⁰⁷ #5 + box: #1 agl #5

11¹⁴ - Only #1 out of box
Others in + lots of noise from scuffling

11¹⁵ #2 emerges from box to top of box.

11¹⁷ hrs moves ^{feeder} ~~to~~ closer to box.

11¹⁹ #2 sol. gr. from #1.

#1 agl #2 near wound on neck,

1122 #1 contin.
agl #2.

#2 doing lots of
gscr + picking
on right inner thigh
~~area~~ @ 2-3 inches
from genitals.*

Gscr almost continuously

1127 #2 has solicited agl
from #1 twice more.

She agl for a second or
two, then leaves.

1128 She returns to box,

* This may be back of
thigh near tail base
where other wound is.

♂ seems a bit unsteady
because of discomfort.
He sol. gr. again
from #1.

[Genital rub may relieve
discomfort; itch from
tail base].

1132 all animals + box

1134 No VOCs.

1136 sev animals back in
box. #2 → box.

#5 ~~foraging~~ on a brom.

#2 + box. #3 in
tree near H2O.

1147 # 3, 4, 5 out of
box.

1 + # 2 still in
+ around box.

1152 # 2 + box - Sol. agl
from # 1.

1154 # 1 + box -
Only # 2 remains.

1155 # 1 → box.

1, 2 + box; # 2 sol agl.

1 agl briefly.

5 → box.

1157 # 2 + 1 out

2 sol agl - Yes.

1 agl, # 1.

1158

1/2 emerge

2 sol agl.

1 agl briefly.

1201 all + box except # 5.

1218 J1 LC twice when
group is about
15m from box.

1235: J1 LC again 2x
when group is @ 10m
away

→ 1237 group foraging
near/on ground.

Feed on ~~antennae~~

I record some food
chirps →
Counter # 525.

12³⁹ Grp at or near grid.
foraging in leaf
litter.

1307 Fresh
w/ Tape at
Counter # 530.

Return to House -
@ 1430.

Collapse & barely move.

Later Cibeles finds
out that Paulo failed
to tell her that Ruvimbira
had bees in their nb.

De decide to go
back to see where they

sleep. Cibeles, Michael
I go & discover that
the battery on the
receiver is dead. Luis
had left it on.

Before ^{this} Laurence returns:
we briefly talk @
admin. He recommends
FBCN & universities when
looking for administrator.
Suggests Nat IBDF staff
make @ \$6,000/yr.

Mtg w/ Laurence
re: Jaire et al

→ fair
Process of with leg broken

FBCN Pres. Dr. Vanderbi ^{HP} Duarte
VP Magnanini ^{de Barros}

6 Nov -

- ① Bus → Rio with Michael
- ② Rongue drive →
Cembra
- ③ C Cembra - discuss
Princess visit; collabor.
Cembra cochs arger
at Dietz, PdA crew,
Lawrenz, lunch.
Beth late -
- ④ Broken windscreen
- ⑤ Expungas +
Andrea Ives Hublet
- ⑥ Beth / Zigue / Ives
- ⑦ Drive home
rain - Beth /
Zigue
Michael Norma reg.
Sonia fired FBCN

7 Nov 87

0540 With Andy at ~~study~~
sleeping hole of
2nd Agua group.

#530 0636
Sleeping tree

grp emerging from tree
feeding chirps.

fresh Tape 87-1
between

0700 -

0914

Complete
Tape 87-2
w/ 2° Aqua
intragroup calling

Probably GLT # 169
calling from
other group @
50 m away

Changing Tapes
0915-0921 - Long Calling
but might have
been visual contact
during this period
since vocs close.

Begin 87-3 @

Stop 9:37 hrs # 235
→

0939 T2 LC.

0940 T2 "

0941 ? LC

0942 ? LC

0943 ? 2LC; LC
LC

0944 - LC;

0945 - 2LC at
distance

Andy thinks that
because ~~37~~
infants.

no encounter w/ visual contact
Pres Maches group has v. young

0946 -

0947 - LC, LC, LC

LC,

0949 LC, LC, LC,

Lots of intragroup
calling now.

AB last heard other
group @ 0945.

0950 - other group LC

2nd group LC, LC, LC

0951 LC

~~0956~~ 0956 Group

moving

then foraging

10⁰¹ LC.

LC from distance

LC here

10⁰²

LC.

10⁰⁸

Quiet -

♀ 1 (T2) resting
with infant.

nursing

T2 huddle w/ ~~T2~~

10¹⁰

T4 + T1,2

latter 2 play (T4 + T1,2)

10¹¹

LC from ~ 30m.

Grp huddle + agl.

Quiet

10¹³ - 10¹⁵ Grp huddle

Inf rasp, some
hulls

→ end Counter # 288,

1017 2 LC
Inf. rasp. w/ T4

1020 LC followed
by answering trill.

1038 Animals feeding/
resting chirps,
trills,

→ 349

1040 Animals quiet + resting.

1042 T2 carrying Inf.
T2+4 wgl "

1045 - Still resting + quiet
6 animals in one tree
3 " " another "

1057 R -

1100 Break-up of rest.
Begin to move!

1105 Counter #448

Animals in fruit tree.

1109 Counter # 462

Then infant rasps +
chirps

1117 # 521

Feeding chirps
Inf rasps,
Some micro man.
Lots of movement.

1124 Some Inf rasps
but adults spread
+ some resting.
Counter #545

1141 R + Quiet.

1201 R + Quiet.

1219 R + Agl + quiet.

1221 Everyone anxious
+ shits + pees.

1225 LC.
animals 5 + P.
LC (all are BLC)

→ Counter #652
Inf LIC + rasp

until picked up by T7
@ 1233

→ end of tape
→ 1247 Infant chirps
while alone in
solitary play.

Then group play
(w/o $\frac{1}{2}$ infant) involving
whines + chirps
R + T play - Chasing.

Tape 87-3 Side B

1254 On + off play
continues - Inf
off but no rasping

Radi'd ♂? where at me
Inf chirps.
little whines during
R+T play

→ Counter 070.

1302 - Resting / grooming /
some play / some
forage - mm

1307 Same
Grp members w/in
@ 5m of each
other although
doing different
things.

1316 Inf does some raspy
trills
Is groomed + huddle
w/ T 1, 2, 3, 4.

→ Counter 103 (1316)

Play whines? + rasp(I)
→ 165 1323 hrs.

Note: becoming at
full intensity
nearly all
time.

Closest animals
at @ 5 ft.

1335 Grp quiet except T2
happ.

Gum, rest; no play,

1337 B-LC with trill

response.

1338 BLC -

No ID

1339 BLC -

1340-41

Animals begin moving
- several BLCs

T2 picks up infant.

→ Counter 310

1345 Loud BLC w/
trill response.

→ Counter 310

1346 BLC behind me

1347 BLC " "

1348-52

record →
Counter # 355.

1401 - Group resting

quiet again.

Counter → 375

1409 - 1/2 grp rest

1/2 R+T and chasing

play.

1411 - 1416 Play → Ctr
432

1430 LC 7

→ #446 trying to
get food chirp voc.

1436 LC?

1445 grp moving
slowly - some
foraging.

1447 food chirps
pichirica tree
→ A82

→ 1453

→ Ctr # 522
Feeding chirps
♀ T2 / mother

1457 slow moving +
foraging

1459-1509 Play bout on
ground → @ 2m
in tree -
Total of 5
animals R + T +
Chasing play
→ Ctr # 631

1523-1525

LC, Rasps, Chirps from
Inf.

T2 + 4 picks up
Inf + leaves
→ Ctr. 655

Remainder of
grp quiet, foraging,
+ dispersed

15³² $\frac{1}{2}$ Sragle
 $\frac{1}{2}$ R.

→ 1538 → 663

ends w/ LC and
responding tults by 2
animals

1547 - Animals all
alarm chirp -

move position.

1548 Play between
2 young.

1553 Continued play +
rest - soft
chirps + whine
only.

1600 T1 picks up kid/
starts moving.

1603 Many in crown of
tall tree, feeding
@ 15 m

1610 all resting again.

1615 Kid found - off
but w/

1626 - All resting,
Soft LC from?

1632 - They have
moved @

20-30 m.
Inf. rasp, some
food chirps.

Then play whines &
chirps.
2-3 yng playing.

→ #688 → 1638 hrs
1st syllable of L.C.

ΛΛΛΛΛ

is imitation to
play.

1640 Terminate
Tape
87-3B

Wrong

ΛΛΛΛ is imitation
to go —

1643 They start
moving.

1646

Foraging.

1647

Inf rasp - On feed.

1650

Food chirps.

1654

Moving.

1657

They are close &
quiet. Animal w/
Inf in rears
They move.

1658 v 5 lets' move
calls.

1659 ~~3~~
3 more "vamonos"
calls.

1700 Count calls
///

1701 //

1702 /

1703 Inf rasping.
They've stopped!

1704 1 vamonos call

Inf alone, rasping.

1705 They are moving
leading ↑ hill.

1706

1707 Foraging.

1710 1 "v" call

1712 2 "v" calls.

1713 were on hill
but not moving
some foraging.

1714 ↓ hill @
10 m.

1715 Kid (~~Inf~~) alone
rasping.

1716 Food chirps.

1719 Foraging pickin' up.

1722 Seem to be
moving but no "v" calls.

1723 "v" call.

Inf rasp.

1724 "v" call

Inf picked up.

1726 moving

no calls

1727 stopped.

1728 Kid rasping.
1730 2 "v" calls
Kid picked up
"v" call again
1732 Moved @ 20m.
1733 Kid off.
1734 2 "v" calls
1735
1736 2 "v" calls
2;
moving; Kid picked
up
1738 stopped kid off
#107 takes kid.
They move.
~~1741~~ 1741 moving.
1742 stop.

1745 Have moved
another 15-20m
are now stopped.
1747 moving again
soft whine -
single calls.
1751 stop near a
large bromeliad.
1752-54 moving
Then stop.
1756 - SA
Kid on Father T1
1758 Food chirps
→ still has kid.
1800 Eating sirichica
1805 They start
moving - then a
series of alarm
chirps.

1808 Moving again
Very brief whines

1810 Reach tree
trunk (dead)
where they slept
last night

@ 6' 8"
4' wide

1813 Inf. rasps
out of hold, sits
on trunk +
nukes 3 LC.
Then quiet.

Big buttressed
roots

1815 Quiet.

1820 + mata

Talk w/ Andy re:
administration when
Laurenz leaves.
Change Laurenz decision re GLT?
Talk w/ Beth, Cibele,
Andy + Michael
@ Laurenz.

Comments re:
observing 2° Aqua grp.
Infant carrying
The let's leave call

incredible 5-way
bouts -

Could study play;
vocs; development;
feeding ecology;
locomotion -

Ted Grand visit?

Intra-sex relations
Behav. development.

June = July/
Jim Holland
Feb ↑ Cibebe Andy?
Steve T. Ben
Mike P. Beate

Jody Feb?

+ H.

8 Nov 87 -

Michael → Jersey

Cibebe → Riverbanks

Figure * V →
Seattle + Lincoln

Cobra - dead true
coral snake on
road to Seattle.

10²⁰ Enter Seattle area
They are at box.

\$1 ♀ finds mm
feeder; doesn't
feed.

S5, S2 eat bananas.

1032 They don't seem
very hungry.

Are mm for
natural foods.

1042 3 LC in row
by group members

with some short
clucks at end,

Nice habitat

1051 LC S[#]3

1100 ♀[#]1

S5 at mm;
eat

1102 S2 ENA

Foraging a lot -
mm - at low
heights + on ground.

1110 middle + agl.

1116 #5 ENA

#2 steals fd #5
#2 Empurran #5

Mainly following fixed
paths also some
vines + L5
incorporated

Some mm -
I think more than
Lincoln.

→ Ctr #82
11:28 AM

82→95 Explains,

Riverbanks / BB
Fight.

Pick up Cibele at
Riverbanks

They are > 200 m
from nb in Bb
clump. Also fight 98 3.4

Cibele leaves them
some bananas.

Michael said that
he had hard time
finding Jersey > 50 m
from nb.

PM rest + meditate
+ mm.

Evening → S.J.
to call
from Ricardo
+ Elena

dinner pizza
+ drink + chat
with Andy +
Cibelle.

9 Nov

→ Riverbank
with Michael -
Arr nb @ 0846.
animals not here.
Ckr # 111.

[to changing nbs
daily a foil against
trees?]

1015 Some contrast
2LC [all
BLCs]

1018 BLC

1019 BLC, BLC, ~~BLC~~

1020 BLC, BLC
BLC

1021 BLC

1023 BLC / BLC

1024 BLC BLC
BLC

(group calling
back + forth)

Then chirps.

1025 BLC / BLC / BLC

@ 15-20 m

BLC

1026 2BLC

1027 Find R4

1029 2BLC

Then R4 LC x2

Answer BLC

R4 - LC

1030-1036 Good

record LC by
R4

→ 251 CH #

1037 R4 / answer
R4LC /

1046 LC R4

1048 R4LC

answer down hill

R4 fd chirps / mm

1051 off CH # 760.

1053. R#4 LC

R#4 LC

1054 R#4 LC.

RY begins to
descend hill.

1055 R#4 LC x2

1056 "

1058 LC / RY

1059 LC / RY

1100 LC R4.

Remainder of group
at quite a distance.

1102 LC R4

1104 LC R4

1110 R4 following
Michael + I as

we search for main part
of group.

1116 LC ? (possibly RY
no longer visible).

1117 LC from across
(not R4)

1122 LC from across
" " "

1124 LC from above

1127 Visual Contact

Gap makes 3
LC.

1131 R5 LC.

T2+4 Rad looks
OK except lower
lip slack.

1133

R4 behind us,
followed us to
group.

1135 Contact call R4

~~1133~~
1136 LC + chucks
R3

1137 short LC - R4 (?)

1138 LC ?

R6 rasps 1146

Record → 1148

Ch # 542

1148 soft contact call
probably R4
(rammer call ?)

1149 soft contact call uphill
again

1154 LC from R4
up hill.

R3 between R4 +
group.

R4 soft contact
notes

1155 R4 LC.

1156
~~R4~~ R4 ^{2x} contact
notes [≡] 1st
syllable of LC)

1156,

LC R6

1157 R4 cont. notes

R6 " "

(chevron vocs)

record R3
chucks

1200 R4 cont. calls
R6 " "

met record.

Record → 12:10

Chr # 682 -

12:13 LC contact note R6

12:14 R4 appears but
others have moved
down hill.

R5 rasps at R4

Tape 87-4 B 12:22

Group begins moving
no recording of calls.

1234 LC + chucks
from R1

Other vocs have
mainly been trills
+ short contact calls.

1239 R4 LC
from uphill

1240 R4 LC uphill

1241 " "

Grp seems to be
attending to +
following her calls.

1244 LC? within
group.

Group foraging in
palms

2 LC from uphill
at a distance. R4

Another LC; R4

No response from
group.

not recorded

1255 LC from uphill.

1257 Soft aaaa
call from R3.

1258 Loud LC R3
Loud aaaa from
R1 or R2

1300 LC R2 begins LC
followed by R3

~~LC~~
LC from uphill

LC response R3 + ?

begin record.

→ #121 (?)

13" R4 call from
uphill.

see squirrel uphill

Several of animals
foraging for food
on ground. I
have seen at least
R7, R6, R5, R2, 3
eat animal prey
today.

13/3 R4 calls up hill
R7 answers
R4 calls again

13/4 R4 LC uphill

13/5 Horn work from
down below

Term. group @

not recorded
Level Ch #121

13/19 LC from? in gp

R4 answers.

R4 L.C

R3 answers.

13/21 LC gp - R3
R4 LC.

We leave group + they
continue cross-LC
at each other until ^{all} are
out of earshot. "

when
Luis picks up + we
get to asphalt meet
Sonia + Andreia who
say that fth is
broken down in

Kombi (Freira) near
R.J.

Organize \$ + vehicles
to get Beth.

Michael, Andreia +
Jana go.

Andy + I talk re:
his research.

Everyone return early +
OK.

David Bowie movie
The Labyrinth is
on.

Reserve full again
with Beth, Andreia.

10 NOV 87

Stay back to work
some with Beth on her
application. + catch
up on writing.

0815 BLC from ♀ with
broken leg.

She has L.C. 2x before,
followed by

0816 ♂ LC by S4 +
Xuxa — 2x

0839 LC ♀ followed by
LC Seattle 4.

1016 LC ♀ — no response

10²¹ front of house
♀/♂ initiates
BLC.

S. 40 → responds.

Occurs twice.

10²²: S → LC followed by
XuXu.

S → LC again.

10²⁵ LC again. I'm not
sure who started.

Worked on writing
up notes.

Talked w/ Laurenz
in P.M.

Went to livebanks
w/ Cibeles to
~~ref~~ put up new
nest box,
Luis did it, in
rain.

Cibeles puts up
small nest for
R4.

We return
soaked.

Bees get Cibeles &
Luis.

Talk w/
Laurenz after
dinner.
Cibeles says that
R1, 2, 3 are clucking
at R4

11 Nov 87 Wed Tres
Machos

0617 Make 1st
auditory contact
after 30' walk.
2LC.

0622 chevron call

0623 LC at distance

2LC answer/close

111111 call
3X

0624 2 more 1 catk
will try to
record

Begin recording 3 March

0630 hrs

1/2 way thru

87-4A -

Chrs at 000.

0635 LC / NR re

LC response NR.

LC by 2 am

0642 Chr #28

Record V call.

start @ #550
on 87-4A

0647 Animal moving

#65
0650 LC-T2

0657 Term side
87-4A

Chr #150

Side 87-4B

0658

Chr. zeroed

Begin LC

0709 #125 some LC
chirps.

@ #160 light VOC
LC + clucks

#183 0713

@ #160 - AB heard another
group at a distance
when LC w/ chicks &

0714 - 0715 3-4 LC.

0725 #365
LC "v" calls
chirps / whines

0733 ~ #460
food chirps territory
outside normal range
feeding on pitcher.

0742 #509
LC Fd chirps
Animals mainly
feeding
T4 holds up rear
is pretty quiet

0744 They don't seem to be
headed towards an
encounter at this point
altho AB heard the
grp at. @ 0710.

0759 They have moved to
low swamp area.
Infant rasps < #575
1 LC @ 0800
Infants 10 d (Twins)

→ 0811 Ctr #688
Some LC
Infant rasps -
Infants transferred
to T2-3 from T1
and T4.

This each adult ♂
had an infant +

♀ approached each
♂ + removed yng.

Then nursing + gring.

♀ was eating + fd. chirp.
before nursing.

Yearling was rapping
when Inf rasp
just before ♀ took
Ints.

0814 LC ?

0815 " ?

End tape

@ Ctr #700

Tape 87-5A 0820 AM
ctr zeroed.

♀ nursing.

T1 taking infants.

0829 → #100

Inf rasps/
yearling play whines,
♀ chirp

→ 0850 → #330

♀ T2 food chirps
several LCs

There had been some
response from another
group in the distance

Rain starts.

0909 - Unhabituated
group appr. to
incomer. We are in
middle. They chuck
at us.

Tres Machos falls back
and LC 2X at
0909..

→ #485

0917 2LC NR

0919 LC "

0922 LC

" "V" call

0923 make visual contact

T2 has infant
T1 trying to get
them

T4 LC

0926 LC / no SD/NR

LC T2♀

0927 LC T2♀

LC T2♀

LC T2♀

NR

0928 T4 LC with Inf.

T2 LC 0930

→ 0934 #551

T4 09 alarm chirp at
us - Inf resp.

"V" call T2♀

→ 0947 → #593 LC/
moving, now
foraging.
Food chirps.

0957 Lots of food
chirps.
1 LC

1011 → CTR #684
Inf raps
"V" calls
T4 0→

T4 2 "V" calls NR

1015 moving

1016	V ¹¹ call	T4
	" "	
	" "	

"V" call T4
" " "

1025 → end tape 87-5A
#705

Recorded T4 with Inf
alarm chirp/vill.
Attempted to record "V"
call.

87-5B 1029 AM
CTR zeroed

1040 moving thru low
stature impenetrable
shit /
animals quiet.

1048 Animals moving
slowly; some foraging;
pretty quiet except
soft rasps.

Then during this
minute louder Inf
rasps heard.

1105 ♀ T2 has
young / nursing.

LC T2 is
carrying yng.

1111 T1 → takes Inf

Rain begins
Gp under vine.

~ 1120 Rain lets up +
"V" calls start to
be given.

They start moving
with "V" calls
1120 — 1128.

1132 LC NR
Chr # 232

1133 Feeding Chirps NR

1138 "V" calls
raining again

1146 " "
Some v calls
moving → 1154

1154 To roost in
covered tree.

1206 as before
Inf. rasping the
whole time.

1212 Some animals
emerge. The
rain is letting up.
Interesting day
↑↓ hills &
wet!

1215 They start the
"v" calls altho
rain not stopped.

Animals have been
moving - raining still
1227. 2 LCs

1230 T1 ♂ (probably
father) removes
Inf from T2 ♀.

1234 food chirp &
animals move.
Then "v" call.

1240 all animals feeding
together in tree.
Some attempted
F. Steal going on.

Then 2 "v" calls.

1244 moving

1245 Some food chirps
& "v" calls.

more v calls

T1 carrying Inf
holding up rear,

making "v" calls
(1248)

1259 Hit a fruit tree.
Feeding a bit. Rain
getting harder again.

1325 Monkeys
huddled in tree.

1337 Huddle breaks up.
light rain.

1340 Kids start rasping.
T1 "v" call
T1 LC.

1343 Grp starts
moving.

T4 chirp/wh at
Andy - carrying
both kids.

1345 Starts raining
harder.

1404 Still raining.
Animals were in
a tree, huddled,

Just started
moving.

Sept " " v calls

1413 Moving

1417 AM in dead
brand ENA
still raining

Then moving.

1439 Foraging + feed.

1441 " " v calls.

1447 LC They are
foraging. Still
raining medium →
heavy

1454 one "v" call

1506 several
LCs

1509 2 LCs

1514 LC + 2 c

can hear

Inf rasps

Raining hard

1516 LC+ full
" 4 "

1521

Inf rasp

+ group

Tom. obs. 15.

CT+ # 246

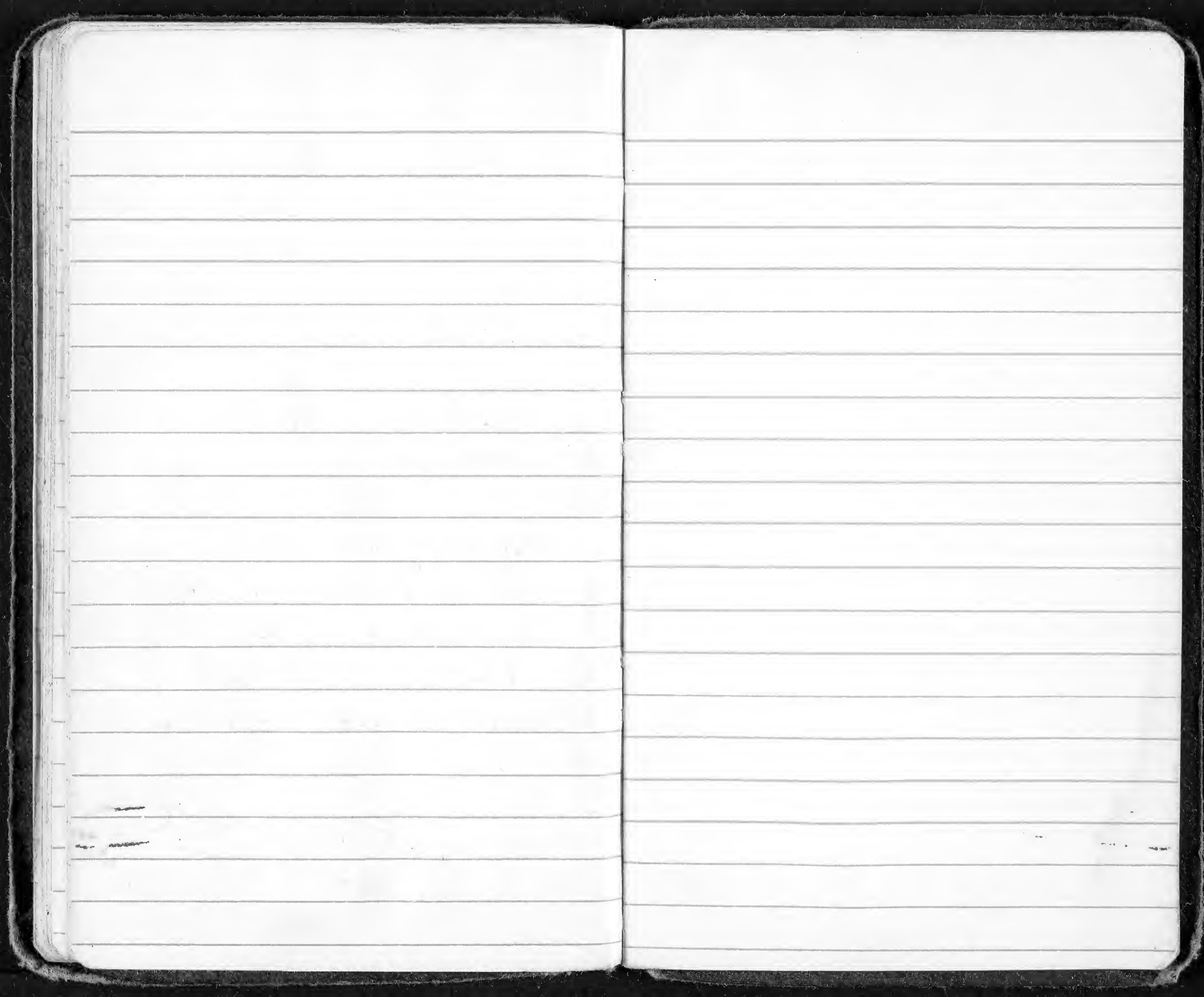
Return to house
soaking wet
@ 1600 hrs.

Work on vocs

Idman father
stroke?

Laurenz has taken
♀ w/ broken leg to be
operated on in
Niteroi. Doesn't
return at night.

NEW BOOK



#8] (64ASA)

5 Nov 87 -

1-2 Broken leg +
head wounds on ♀
brought in

6 Nov Most of roll at
Rio Centro of
Esposoigo

8 Nov.
32-36 at Seattle
group Ziegler-

#9 200 ASA Koda

8 Nov 87

1-12 Seattle grp.
mm, 'agl', lat.

13-19 Riverbanks
in Bt - lat
Ryv.

Roll # 7 (cont.)

4 Nov 87

#19-26 Jersey #20

wounds & treatment.

5 Nov 87

27-30 Cibeles owl

31-32 house +

viveiro in front
of house

33-36 Cibeles + Michael

Car w/ logo: telemetry
equipment.

♂1 T1 w/ radio

♀A T2

♂2 T4

(♂3 T~~1~~ 2+4.

yearling (♂4 T~~1~~ 1234

Tres Machos

and horns being
carried

~~3 Mactan~~

20 Agua →

Composicao
favor?

10 →

2 ♀

50 →

1 ?

Segunda ^{agua} body mark

86 α 0 → 1 LH TI

87 α ♀ 2 T2

88 — ♀ 3 T14 = 1 & 4

148 — ♂ 4 T4 (radio) }
2
4

150 — ♂ 5 T1234

178 — ♂ 6 T24 ← 1.5 yr
1 yr

221 — ♂ 7 T12 } = 1 & 2
1 yr

220 — ♂ 8 T34 }

" ? 9 (or) — new

Humans can remember
no more than 7
Things at once "

John
Calhoun

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